SERD EVALUATION TRAINING COURSE

HANDOUTS

PRESENTED BY:

NAWCADLKE 3.6.2.3 LOGISTICS INFORMATION SYSTEMS MAINTENANCE & OPERATIONS

February, 2004

EXERCISES

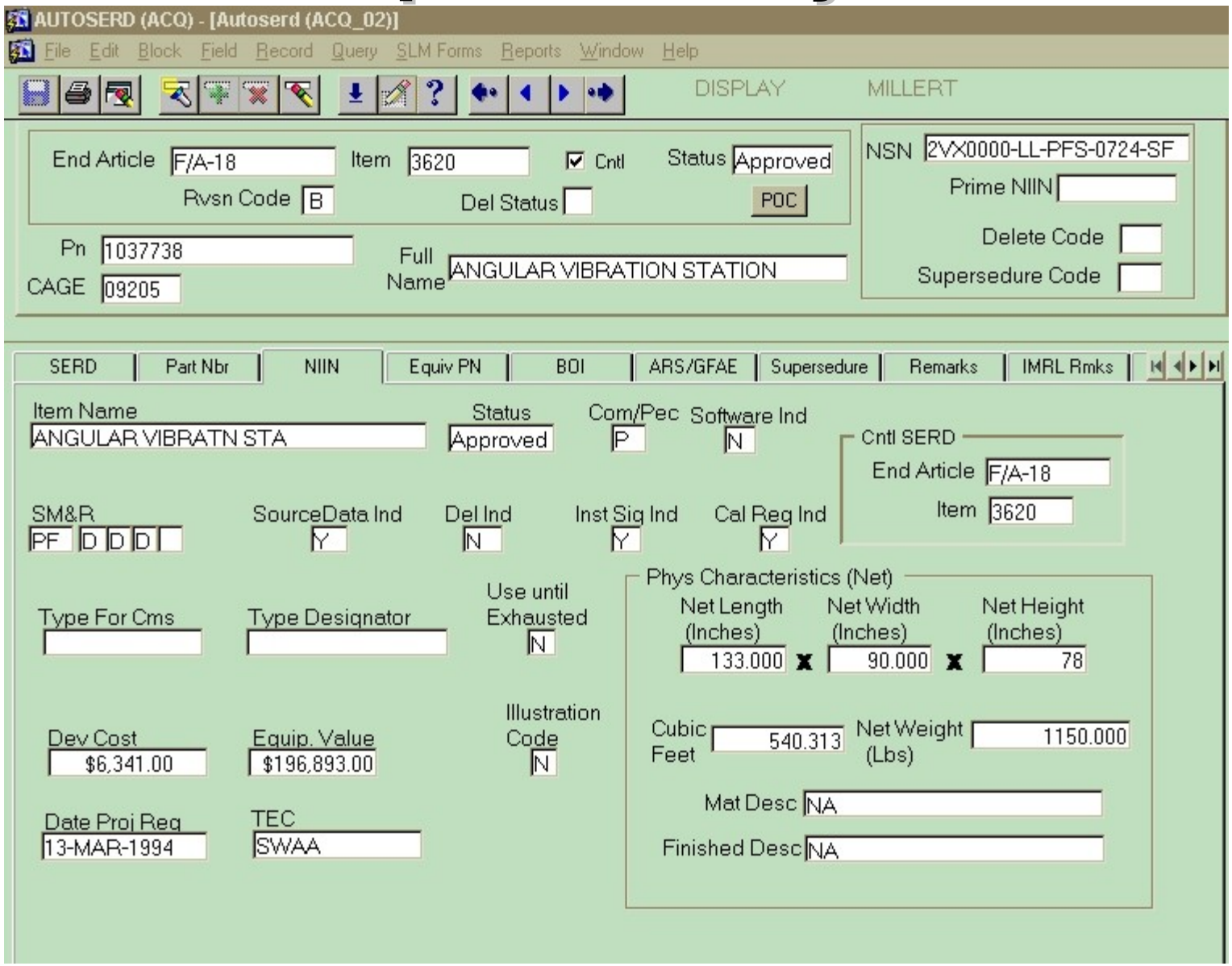
EXERCISE #1 SM&R CODE

YOU ARE RESEARCHING AUTOSERD FOR INFORMATION ON PART NUMBER 1037738, AN ANGULAR VIBRATION STATION YOU REQUIRE FOR USE ON YOUR NEW F-37 AIRCRAFT. QUERYING THE PART NUMBER USING THE ACQ01 SCREEN ONLY SHOWS F/A-18 SERD #3620 AND IT IS IN CONTROL. THE NIIN TAB SHOWS THE SM&R CODE IS PFDDD. THE SERD TAB SHOWS A UNIT COST OF $125,000.00.

THE F-37 NEEDS THIS ITEM FOR USE AT THE "I" LEVEL LAND AND VESSEL IN SUPPORT OF FLIR SYSTEM R5-014.

* **WHAT SHOULD THE NEW CONTROL SM&R CODE BE? WHAT WOULD YOUR APPLICATION SM&R CODE BE?**

EXERCISE #1 SM&R CODE
Sample from System



EXERCISE #1 SM&R CODE SOLUTION

THE NEW **CONTROL** SM&R CODE NEEDS TO ADDRESS THE **I LEVEL USE, THE MAINTENANCE, CONDEMNATION OF THE SE, AND ALSO THE SOURCE:**

PEGDD / PEGGD / PAGDD / PAGGD

YOUR APPLICATION SM&R CODE WOULD BE **GD** (FOR CONTROL SM&RS PEGDD/PAGDD) OR **GG** (FOR PEGGD/PAGGD).

YOU WOULD NEED TO COORDINATE W/THE F/A-18 MANAGER FOR USE OF HIS ***DESIGN CONTROLLED*** SE AT "I" LEVEL. HE/SHE MAY DECIDE TO **TRANSFER CONTROL** TO YOU OR **CHANGE HIS CONTROL SM&R CODE** TO ONE OF THE ABOVE OPTIONS AND **REQUIRE YOU TO PAY** FOR ANY REQUIRED MODIFICATIONS TO THE SE DUE TO YOUR USAGE AT "I" LEVEL (ENSURING YOU DON'T CHANGE IT SO THE SE BECOMES UNUSABLE BY F/A-18).

REMEMBER THE SE WAS **DESIGNED FOR DEPOT**

EXERCISE #2 SERD CORRECTIONS

THE F-37 AIRCRAFT HAS A REQUIREMENT TO USE SE PART NUMBER ABC-1234, CAGE 12345 IN SUPPORT OF SYSTEM R5014. THE SE IS REPAIRABLE; USED AND REPAIRED AT LAND ONLY "I" LEVEL; SPECIAL USAGE AT DEPOT; CONDEMNED AT DEPOT; NOT SUBJECT TO REPLENISHMENT ACTIONS; REQUIRES CALIBRATION; AND IS NOT PREPOSITIONED.

YOUR TASK IS TO CORRECT THE ERRORS ON THE SAMPLE SERD BASED ON THE ABOVE INFORMATION.

(NOTE - SOME AREAS THAT ARE BLANK MAY NOW REQUIRE AN ENTRY!)

00/00/00 SUPPORT EQUIPMENT RECOMMENDATION DATA (SE)

DATE:
TIME:

1. CONTRACTOR	2. CONTRACT NO.	3. END ARTICLE
ABC ACFT CO.	AOOO13-96-C-1234	F-37, FIGHTER AIRCRAFT

4. SE ITEM NAM / RESPONSIBLE A														6.
AVIONICS SE AVIONICS SE FOR F-37							NA			NAEC 524				
C	ED STANDARD 5 (		EV/STAND		. COMMON/PE		10.		ERVICE		E. I. SPEC			
R5014		DEV		PEC		N		NA		C		NO		

14. SEI (G)	(G)		PRE-POSIT	17. USABLE ON	18. TECH	
NO		N	C	01, 06	NO	

19. RRPL/ GAPL (G)	20. MRC					
					CODE	
NA	P005	N	N	LOWEST LEVEL: PEOGG APL: OG		N

21. MATCH INDICATOR CODE 22. SPARE FACTOR (G) 23. CALIB REQUIRED 24. CA R CODE (G)
26. INSTALLATION SIGNIFICANT

WUC		RING	27A. ML/MC	27B. CAGE/PART NUMBER AND NOMENCLATURE	27C. CMRS	27D. SE
CONTR		GOVT				
72ABC	I		12345 ABC-8976			
72ABC	D		12345 ABC-8977			

TBA

29. ENGINEERING DATA (G):

30. REASON FOR DELETION/SUPERSEDURE DATA

30A. TYPE EQUIPMENT CODE (G)

31. REMARKS: 31A. SE CHARACTERISTICS
31B. ALT CHARACTERISTICS

NET..SIZE.....: (L) 0000.0 X (W) 0000.0 X (H) 0000.0 GROSS..SIZE.....: (L) 0000.0 X (W) 0000.0 X (H) 0000.0 ALT NIINS ICC

CUBIC FEET.....: 0000000000.00 CUBIC FEET.: 0000000000.00

WEIGHT.....: 000000.00 WEIGHT.....: 000000.00

MATERIAL.....:

0001	H.....	ABC-1234	12345			

DESIGN SPEC...:

00/00/00SUPPORT EQUIPMENT RECOMMENDATION DATA (SE)

DATE:
TIME:

1. CONTRACTOR	2. CONTRACT NO.	3. END ARTICLE
ABC ACFT CO.	AOOO13-96-C-1234	F-37, FIGHTER AIRCRAFT

4. SE ITEM NAM

AVIONICS SE

AVIONICS SE FOR F-37

31. REMARKS

33D. REVISION DATA

32. DATE OF APPROVAL REVISION	33E. PAGE NO.	EM NO.	DEL NO.	33B. CAGE	33C. DATE	33D.
0001	ABC-1234	12345				

00/00/00SUPPORT EQUIPMENT RECOMMENDATION DATA (SE)

DATE:
TIME:

1. CONTRACTOR	2. CONTRACT NO.	3. END ARTICLE
ABC ACFT CO.	AOOO13-96-C-1234	F-37, FIGHTER AIRCRAFT

4. SE ITEM NAM

AVIONICS SE

AVIONICS SE FOR F-37

BLOCK 42 (CONT):

32. DATE OF APPROVAL REVISION	33E. PAGE NO.	EM NO	DEL NO.	33B. CAGE	33C. DATE	33D.
0001	ABC-1234	12345				

00/00/00SUPPORT EQUIPMENT RECOMMENDATION DATA (SE)

DATE:
TIME:

1. CONTRACTOR: ABC ACFT CO.

2. CONTRACT NO.: AOOO13-96-C-1234

3. END ARTICLE: F-37, FIGHTER AIRCRAFT

4. SE ITEM NAM: AVIONICS SE
AVIONICS SE FOR F-37

34. NATIONAL STO BER: NA

35.
DCC MCC FSC NIIN SMIC

36. EST. DATE	37. PROD LEAD TIME	38. DEVEL COST	39. REC QTY	40. RECUR UNIT PRICE	41. TOTAL REC	42. TOTAL QTY
24	6	1200	1/24	5500	50	0

43. TOTAL PRICE (G)
E FAC UICE QTY 0
ORD (G)

44. SPECIFIC AUTHORIZATION

ACTIVITY QUAN

ACTIVITY QUAN

47. SUPERSEDURES

SUPERSEDES:

ITEM RSN CAGE PART NUMBER NIIN

DEL

SUPERSEDED BY:

ITEM RSN CAGE PART NUMBER NIIN

DEL

N

45. ALLOWANCE/MLF (G) MISC DESC/ 3D/ LVC/ CUST

R5014
O

R5014
I

R5014
D

46. BASIS OF ISSUE (G)

48. MMF

L
L

L
L

1- 4 5- 8 9- 12 13- 16 17- 24 25- 32 33- 64 65- 126-

25
12 50 RNG

0001 ABC-1234 12345

SOLUTION # 2

00/00/00 SUPPORT EQUIPMENT RECOMMENDATIO

DATE:
TIME:

1. CONTRACTOR	2. CONTRACT NO.	3. END ARTICLE
ABC ACFT CO.	AOOO13-96-C-1234	F-37, FIGHTER AIRCRAFT

4. SE ITEM NAM
RESPONSIBLE A

AVIONICS SE
AVIONICS SE FOR F-37

NA

NAEC 524

6.

R5014	YES	LSA OR MP	EV/STAND	PEC	. COMMON/PE	N	10.	C	E. I. SPEC	NO

06, 12

Q00?

Y

PEHHD HH

14. SEI (G)							
NO	(G)	C		ON	01, 06	18. TEC	

19. RRPL/ GAPL (G)	20. MRC			CODE
NA	P005	N	N	

LOWEST LEVEL:
PEOGG

APL:
OG

21. MATCH INDICATOR CODE 22. SPARE FACTOR (G) 23. CALIB REQUIRED 24. CA R CODE (G)
26. INSTALLATION SIGNIFICANT

L

WUC	27A. ML/MC	27B. CAGE/PART NUMBER AND NOMENCLATURE	27C. CMRS	27D. SE
72ABC	I	12345 ABC-8976 RING		
72ABC	D	12345 ABC-8977		

CONTR GOVT

29. ENGINEERING DATA (G):

30. REASON FOR DELETION/SUPERSEDURE DATA

30A. TYPE EQUIPMENT CODE (G)

31. REMARKS: 31A. SE CHARACTERISTICS
31B. ALT CHARACTERISTICS

NET..SIZE.....: (L) 0000.0 X (W) 0000.0 X (H) 0000.0 GROSS..SIZE.....: (L) 0000.0 X (W) 0000.0 X (H) 0000.0 ALT NIINS ICC

CUBIC FEET.....: 0000000000.00 CUBIC FEET.: 0000000000.00

WEIGHT.....: 000000.00 WEIGHT.....: 000000.00

MATERIAL

0001	H..... ABC-1234	12345	

DESIGN SPEC...:

00/00/00SUPPORT EQUIPMENT RECOMMENDATION DATA (SE)

DATE:
TIME:

1. CONTRACTOR	2. CONTRACT NO.	3. END ARTICLE
ABC ACFT CO.	AOOO13-96-C-1234	F-37, FIGHTER AIRCRAFT

4. SE ITEM NAM

AVIONICS SE

AVIONICS SE FOR F-37

31. REMARKS

POC IS XXXXXXX, CODE XXX, YYY-YYY-YYYY
ORIGINAL SERD TO ESTABLISH IL & DEPOT
APPLICATION IN SUPPORT OF R5014.

33D. REVISION DATA

ORIGINAL SERD TO ESTABLISH IL & DEPOT
APPLICATION IN SUPPORT OF R5014.

32. DATE OF APPROVAL REVISION	33E. PAGE NO.	EM N	DEL NO.	33B. CAGE	33C. DATE	33D.
0001	ABC-1234		12345			

00/00/00SUPPORT EQUIPMENT RECOMMENDATION DATA (SE)

DATE:
TIME:

1. CONTRACTOR	2. CONTRACT NO.	3. END ARTICLE
ABC ACFT CO.	AOOO13-96-C-1234	F-37, FIGHTER AIRCRAFT

4. SE ITEM NAM TC
AVIONICS SE
AVIONICS SE FOR F-37

31. REMARKS

32. DATE OF APPROVAL REVISION	33E. PAGE NO.	EM NO	DEL NO.	33B. CAGE	33C. DATE	33D.
	0001	ABC-1234	12345			

00/00/00SUPPORT EQUIPMENT RECOMMENDATION DATA (SE)

DATE:
TIME:

1. CONTRACTOR: ABC ACFT CO.

2. CONTRACT NO.: AOOO13-96-C-1234

3. END ARTICLE: F-37, FIGHTER AIRCRAFT

4. SE ITEM NAM: AVIONICS SE
AVIONICS SE FOR F-37

34. NATIONAL STO BER: NA

35.
DCC MCC FSC NIIN SMIC

36. EST. DATE	37. PROD LEAD TIME	38. DEVEL COST	39. REC QTY	40. RECUR UNIT PRICE	41. TOTAL REC	42. TOTAL QTY
24	6	1200	1/24	5500	50	0

43. TOTAL PRICE (G)
E FAC UICE QTY 0
ORD (G)

44. SPECIFIC AUTHORIZATION

ACTIVITY	QUAN	ACTIVITY	QUAN

47. SUPERSEDURES

SUPERSEDES:

ITEM	RSN	CAGE	PART NUMBER	NIIN
DEL				
R5014	I			
R5014	D			

SUPERSEDED BY:

ITEM	RSN	CAGE	PART NUMBER	NIIN
DEL				
L	N			
L	N			

N

45. ALLOWANCE/MLF (G)
R5014
O
R5014
I
R5014
D

MISC DESC/ 3D/ LVC/ COST

46. BASIS OF ISSUE (G)

48. MMF

L
L
L
L

25 50
12

RNG

1- 4 5- 8 9- 12 13- 16 17- 24 25- 32 33- 64 65- 126-

0001 ABC-1234 12345

EXERCISE #3 SUPERSEDURE

AUTOSERD ACQ01 SCREEN SHOWS THERE ARE THREE AIRCRAFT SERDS FOR PART NUMBER ABC-1234-1, CAGE 12345:

A-6	**#2345**	**APPROVED & CONTROL**
F/A-18	**#4567**	**PENDING**
F-37	**#1234**	**APPROVED**

THE F-37 HAS A SUPPORT EQUIPMENT CHANGE (SEC) APPROVED (SEC-456) TO MODIFY SE PART NUMBER ABC-1234-1 TO PART NUMBER ABC-1234-2. (SEC-456 WAS ACCOMPANIED BY F-37 SERD #1995 FOR P/N ABC-1234-2).

EXERCISE #3 SUPERSEDURE SOLUTION

THE F-37 PROGRAM MANAGER MUST VALIDATE THE MODIFICATION DOES NOT CHANGE THE FUNCTIONALITY OF THE SE TO MAKE IT UNUSABLE BY ANY OTHER APPLICATION (A-6 & F/A-18). THEN GET ALL PENDING SERDS AGAINST THE OLD ITEM APPROVED (F/A-18 #4567).

NOW TWO OPTIONS REMAIN:

(1) HAVE THE A-6 WSM DO THE SUPERSEDURE (CONTROL SERD [ABC-1234-1] TO CONTROL SERD [ABC-1234-2]) OR

(2) MOVE CONTROL FROM A-6 #2345 TO F-37 #1234. THEN THEN DO THE F2 SUPERSEDURE OF F-37 SERD #1234 BY #1995. NOTE - THE SECOND OPTION IS THE MOST COMMON!

DOING THE SUPERSEDURE REQUIRES PROCESSING AND APPROVING ONLY ONE SERD, THE SERD FOR THE NEW ITEM. AUTOSERD GENERATES THE SUPERSEDED SERD (#1234) REVISION AUTOMATICALLY FROM THE DATA YOU HAVE

EXERCISE #4 BASIS OF ISSUE

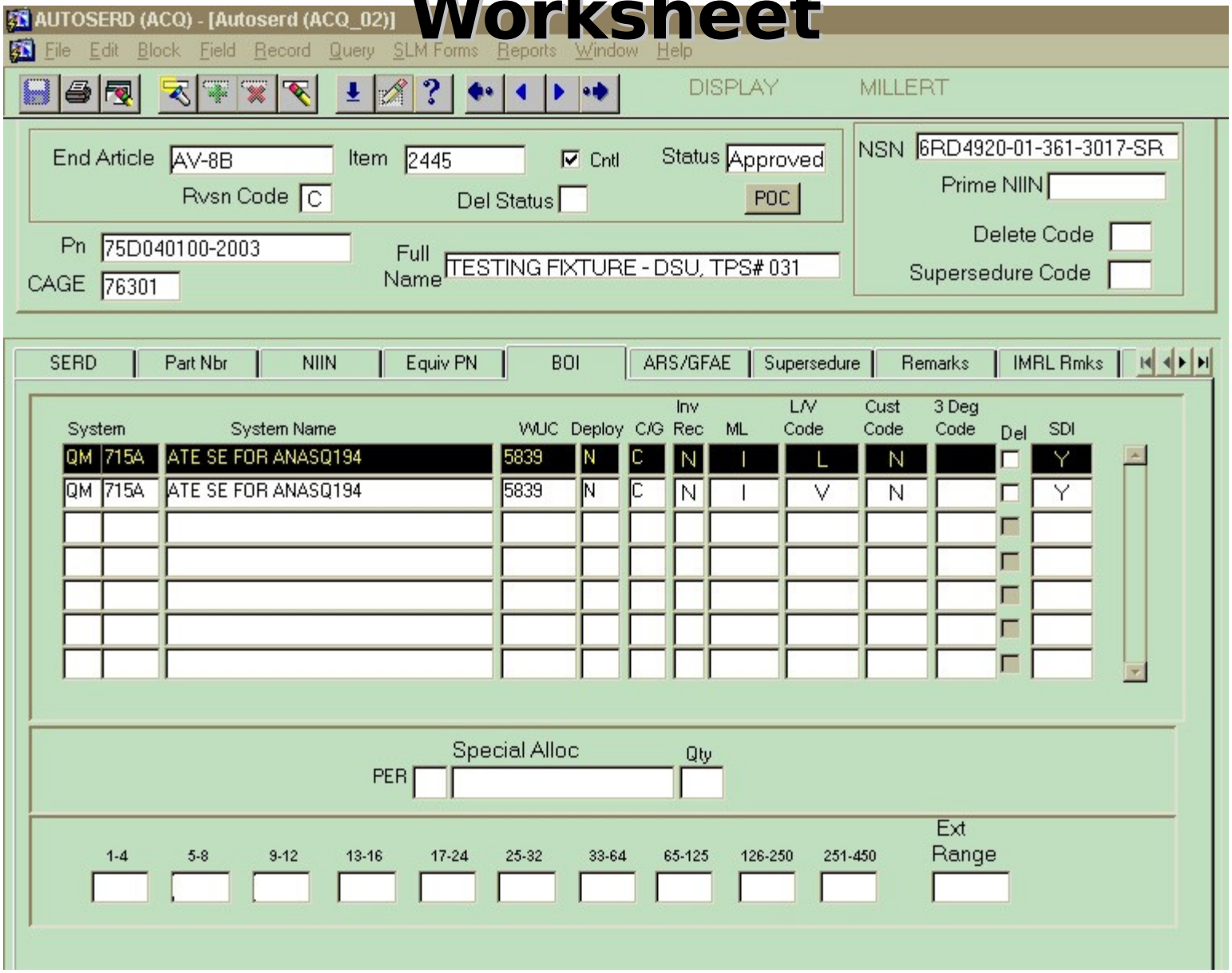
YOU ARE RESEARCHING AUTOSERD FOR INFORMATION ON AV-8B SERD #2445. THE SERD TAB SHOWS THE SERD WAS APPROVED WITH THE FOLLOWING RECOMMENDED QUANTITY FACTOR = [1/24] AND THE BOI TAB DISPLAYS A BOI OF

01 01 01 01 01 02 02 04 08 12 X

OVER TIME, USAGE DATA INDICATES THE ORIGINAL RECOMMENDED QUANTITY FACTOR IS NOT ACCURATE. THE NEW REC QTY FACTOR = [2/48].

USING THE NEW RECOMMENDED QUANTITY FACTOR,

EXERCISE #4 BASIS OF ISSUE Worksheet



EXERCISE #4 BASIS OF ISSUE SOLUTION

THE NEW RECOMMENDED QUANTITY FACTOR ADJUSTS THE RATIO FROM 1 SE END ITEM REQUIRED TO SUPPORT UP TO 24 END ARTICLES / SYSTEMS / COMPONENTS TO NOW 2 SE END ITEMS ARE REQUIRED TO SUPPORT UP TO 48 END ARTICLES / SYSTEMS / C

(1-4) (5-8) (9-12) (13-16) (17-24) (25-32) (33-64) (65-125) (126-250) (251-450) EXT

02 02 02 02 02 02 02 04 10 18 X

(48VS96)

(240VS288)

(96VS144)

(436VS480)

02 02 02 02 02 02 04 06 12 20 X

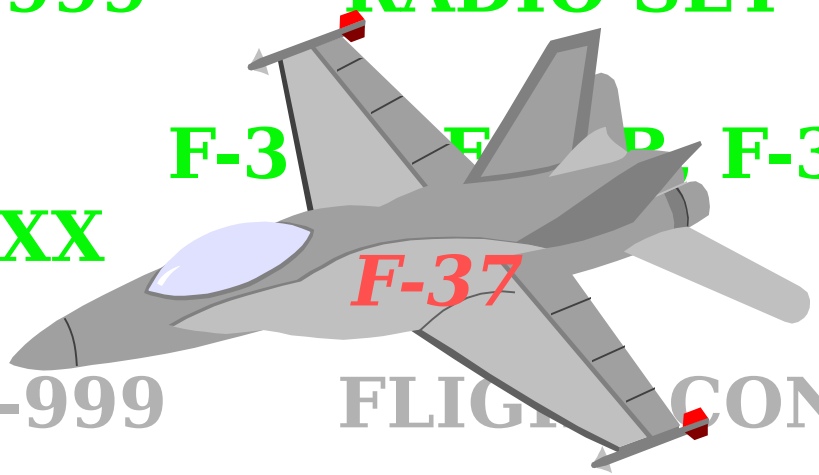
NOTICE THE POSSIBLE VARIATIONS BASED ON THE LARGER SEGMENTATION IN THE 7TH THROUGH 10TH COLUMNS. YOUR ENGINEERING JUDGMENT, RELIABILITY OF THE RECOMMENDED QUANTITY FACTOR AND OTHER TANGIBLE INFORMATION WILL HELP

EXERCISE #5 SLM REVISIONS

THE F-37 HAS UNDERGONE THREE MODIFICATIONS THAT HAVE ADDED THREE NEW SYSTEMS

AN/ASN-999 NAVIGATION SET
QTY = 1
R5012 F-37A, F-37B (ECP-123)
WUC = 73XX

AN/ARC-999 RADIO SET
QTY = 2
R5013 F-3[illegible] F-37C (ECP-124)
WUC = 62XX

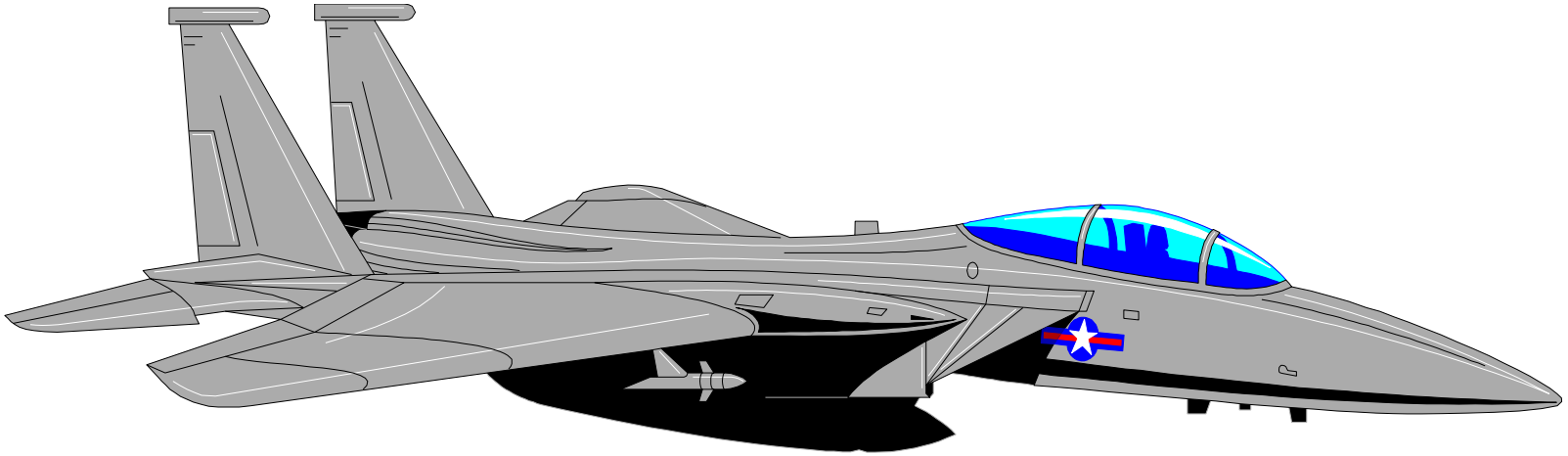


AN/ASW-999 FLIGHT CONTROL SET
QTY=1

EXERCISE #5 SLM REVISIONS CONT'D

YOUR TASK:

COMPLETE THE SLM UPDATE REQUEST FORM TO ADD SYSTEM R5013 & APPROPRIATE MODELS TO THE F-37 END ARTICLE.



EXERCISE #5 SLM REVISIONS CONT'D

SLM Model Request Form

FROM:		DSN
TO: PHIL SEVASTA	CODE: 3.6.2 3	EXT: 2868

JUSTIFICATION:(If related to SDDARR,SSDR,MSG,SECAT,LSMT etc/ Please reference)

WSM SIGNATURE: (REQUIRED)

SYSTEM LIST MODEL REQUEST

Use this section if you are requesting an addition, change or deletion.

Please specify all information requested to insure timely inputs.

END ARTICLE:

A: ☐ D: ☐ C: ☐ | SYS/LC: | DEPLOYABLE: YES ☐ NO ☐

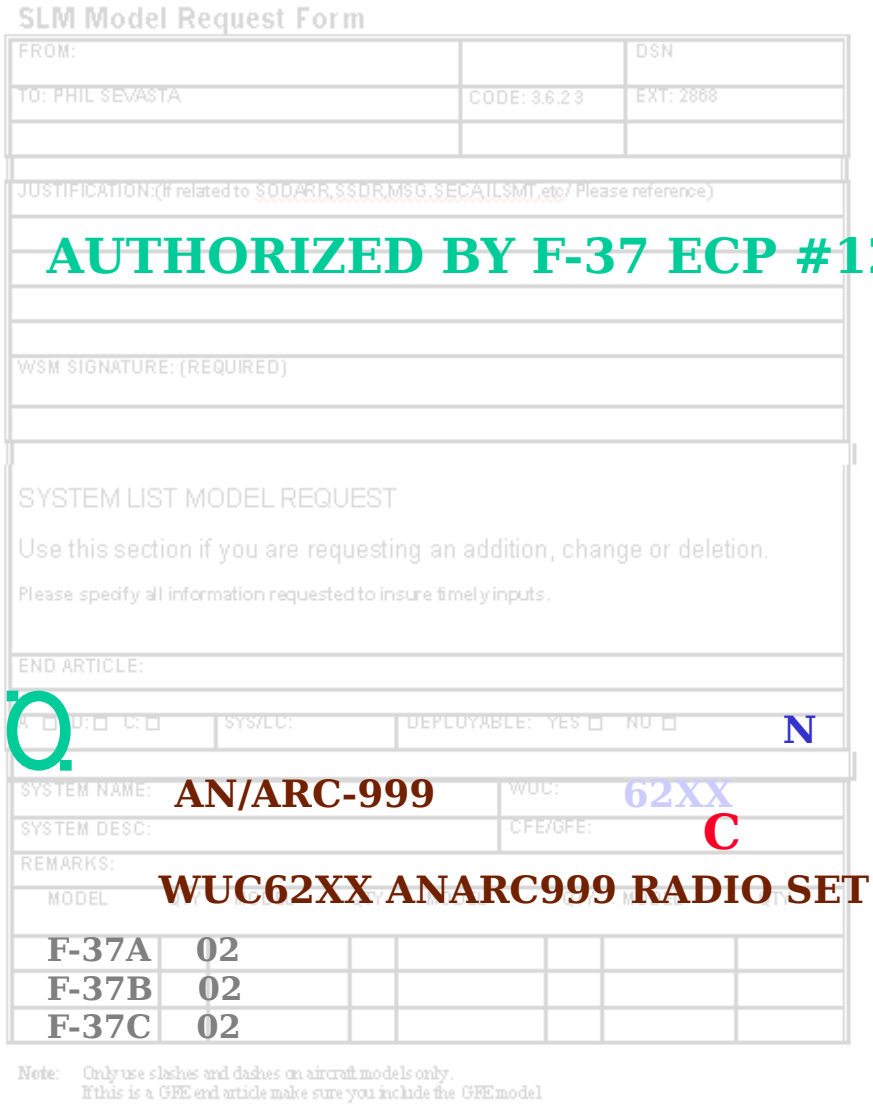
SYSTEM NAME:	WUC:
SYSTEM DESC:	CFE/GFE:
REMARKS:	

MODEL	QTY	MODEL	QTY	MODEL	QTY	MODEL	QTY

Note: Only use slashes and dashes on aircraft models only.
If this is a GFE end article make sure you include the GFE model

SLM UPDATE REQUEST FORM

EXERCISE #5 SLM REVISIONS CONT'D


SLM Model Request Form

FROM:

DSN

TO: PHIL SEVASTA

CODE: 3.6.2.3

EXT: 2868

JUSTIFICATION:(If related to SDD/ARR,SSDR,MSG,SECATLSMT,etc/ Please reference)

AUTHORIZED BY F-37 ECP #124

WSM SIGNATURE: (REQUIRED)

SYSTEM LIST MODEL REQUEST

Use this section if you are requesting an addition, change or deletion.

Please specify all information requested to insure timely inputs.

END ARTICLE:

Q

SYS/LC:

DEPLOYABLE: YES ☐ NO ☐

N

SYSTEM NAME: AN/ARC-999

WUC: 62XX

SYSTEM DESC:

CFE/GFE:

C

REMARKS:

WUC62XX ANARC999 RADIO SET

MODEL

F-37A	02
F-37B	02
F-37C	02

Note: Only use slashes and dashes on aircraft models only.
If this is a GFE end article make sure you include the GFE model

SLM UPDATE REQUEST FORM

EXERCISE #6 SLM / BOI

THE F-37 AIRCRAFT HAS THE AN/APS-999 RADAR SET INSTALLED DUE TO ECP#126. R5 SYSTEM R5016 IS ALREADY ESTABLISHED FOR AIRCRAFT CURRENTLY USING THE RADAR AS SHOWN BELOW:

R5016	**F/A-18C**	**R5016-A**
F/A-18C		
	F/A-18D	
F/A-18D		
	A-6E	**R5016-B**
A-6E		
	E-6A	**R5016-C**
E-6A		

SERD #1997 ON THE AN/APM-222 RADAR ADAPTER SET, P/N 3456-789-001, CAGE 76543 IS SUBMITTED IN SUPPORT OF THE RADAR SYSTEM FOR F-37A, F-37B AND F-37C MODELS APPLICATIONS *ONLY.* THE ADAPTER SET IS USED

EXERCISE #6 SLM / BOI WORKSHEET

THE CURRENT SLM IS:

R5016 F/A-18C R5016-A

F/A-18C

F/A-18D

F/A-18D

A-6E R5016-B

A-6E

E-6A R5016-C

E-6A

EXERCISE #6 SLM / BOI SOLUTION

THE NEW SLM WOULD LOOK LIKE THIS:

R5016	F/A-18C	R5016-A
F/A-18C		
	F/A-18D	
F/A-18D		
	A-6E	R5016-B
A-6E		
	E-6A	R5016-C
E-6A		
	F-37A	R5016-D
F-37A		
	F-37B	
F-37B		
	F-37C	
F-37C		

00/00/00SUPPORT EQUIPMENT RECOMMENDATION DATA (SE)

DATE:
TIME:

1. CONTRACTOR: ABC ACFT CO.

2. CONTRACT NO.: AOOO13-96-C-1234

3. END ARTICLE: F-37, FIGHTER AIRCRAFT

4. SE ITEM NAM: ADAPTER
ADAPTER SET, RADAR

34. NATIONAL STO: NA BER

35.
DCC MCC FSC NIIN SMIC

36. EST. DATE	37. PROD LEAD TIME	38. DEVEL COST	39. REC QTY	40. RECUR UNIT PRICE	41. TOTAL REC	42. TOTAL QTY
24	6	1200	1/24	5500	50	0

42. TOTAL PRICE (G)
E FAC UICE QTY 0
ORD (G)

44. SPECIFIC AUTHORIZATION

ACTIVITY	QUAN	ACTIVITY	QUAN

47. SUPERSEDURES

SUPERSEDES:

ITEM NIIN

SUPERSEDED BY:

ITEM RSN CAGE PART NUMBER

DEL

IF CAL REQ'D AND NOT PP,
CC MUST=L

N

45. ALLOWANCE/MLF (G) MISC DESC/ 3D/ LVC/ CUST 46. BASIS OF ISSUE (G)

48. MMF

| | | |

EXERCISE #7 List Code Disestablish

THE F-37 AIRCRAFT HAS THE AN/APS-111 RADAR SET (R5 SYSTEM R5001) INSTALLED BUT DUE TO ECP#126, IT WAS REPLACED BY THE AN/APS-999 RADAR SET (R5 SYSTEM R5016).

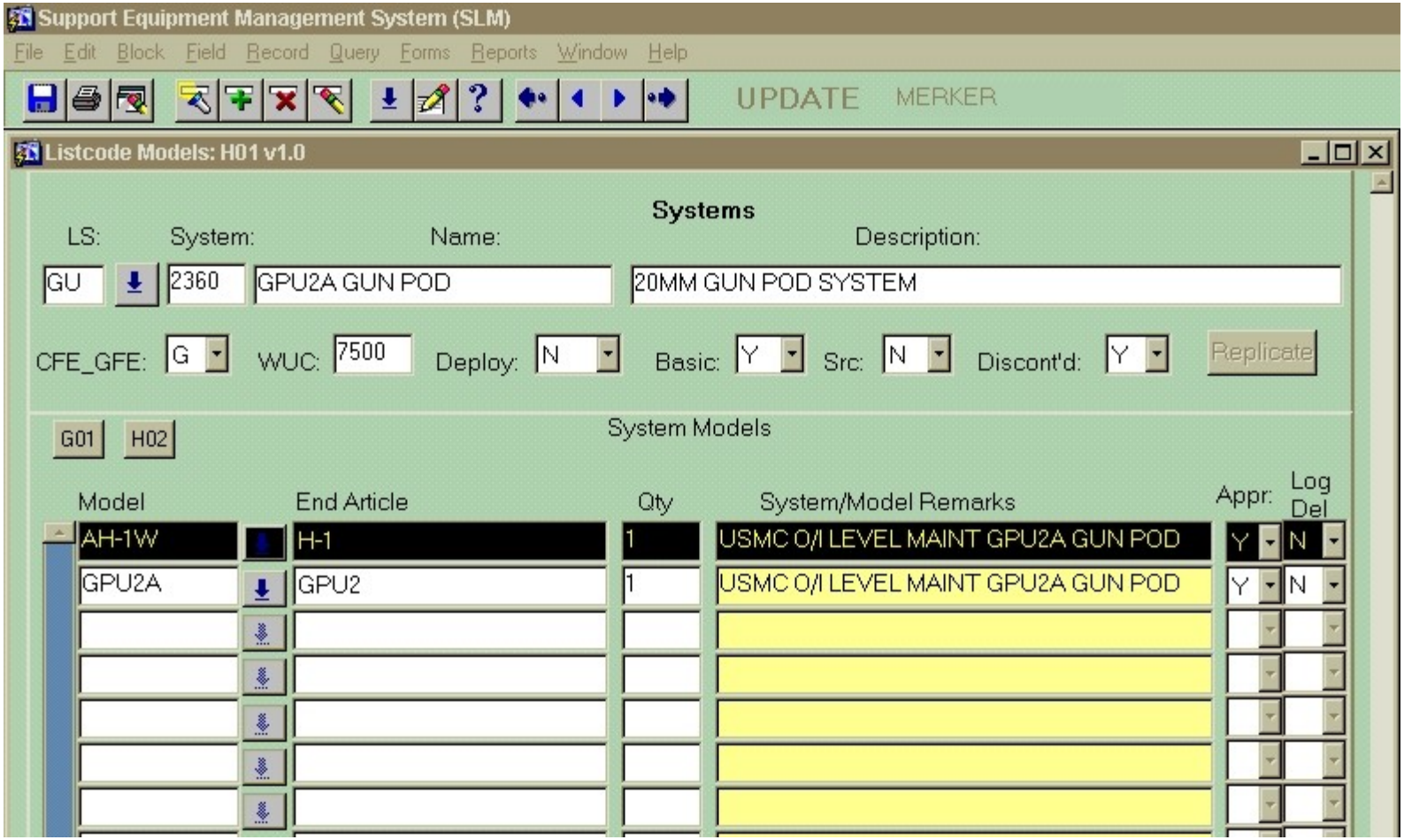
THE CURRENT SLM IS:

R5001 F-37A, F-37B, F-37C Only

YOU AS THE F-37 WSM MUST NOW DISESTABLISH THE AN/APS-111 RADAR SET R5001.

BRIEFLY DISCUSS THE STEPS YOU WOULD TAKE AND THE IMPACT OF YOUR ACTIONS IN AUTOSERD & SERMIS.

EXERCISE #7 L/C Disestablish Solution


Support Equipment Management System (SLM)
File Edit Block Field Record Query Forms Reports Window Help
UPDATE MERKER
Listcode Models: H01 v1.0
Systems
LS: System: Name: Description:
GU 2360 GPU2A GUN POD 20MM GUN POD SYSTEM
CFE_GFE: G WUC: 7500 Deploy: N Basic: Y Src: N Discont'd: Y
Replicate
G01 H02
System Models
Model End Article Qty System/Model Remarks Appr: Log Del
AH-1W H-1 1 USMC O/I LEVEL MAINT GPU2A GUN POD Y N
GPU2A GPU2 1 USMC O/I LEVEL MAINT GPU2A GUN POD Y N

Sample System